

Antenna Performance Description

Product description: Mobile Phone

Model: 22101316UG

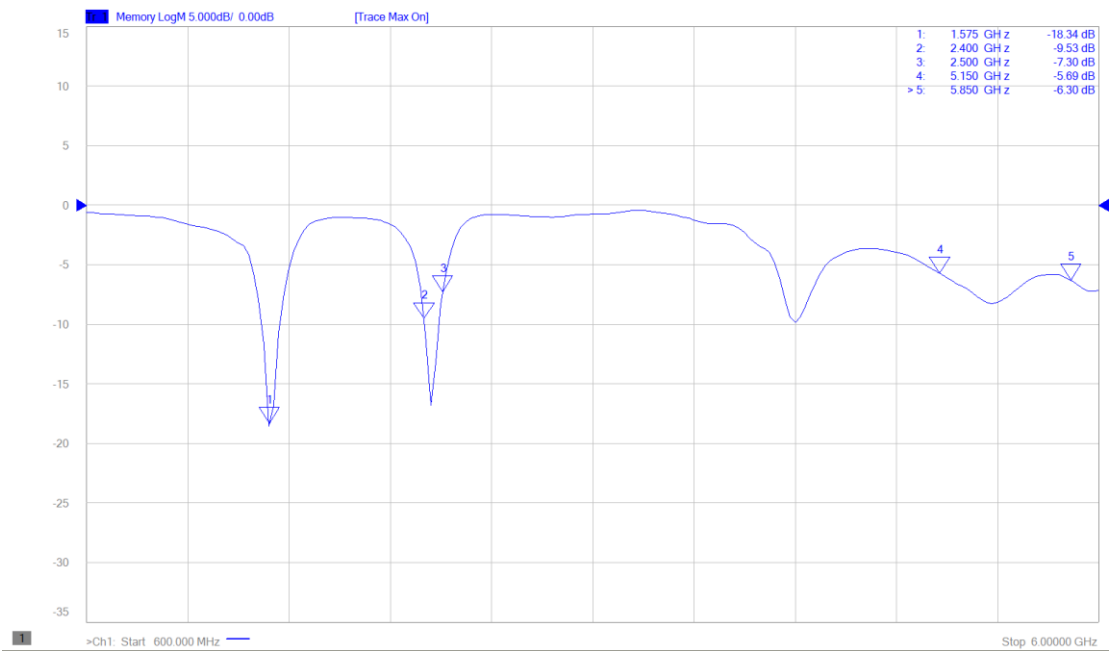
Test date: 2022/08/18

Antenna	Antenna Pattern	Antenna Type	Manufacturer	Test party of Antenna gain
ANT7	Flexible Printed Circuit	PIFA Antenna	KunShan Innwave Communication Technology Co.,Ltd.	BeiJing Innwave Communication Technology Co.,Ltd.
ANT8	Flexible Printed Circuit	PIFA Antenna	KunShan Innwave Communication Technology Co.,Ltd.	BeiJing Innwave Communication Technology Co.,Ltd.
NFC (32.5mm*37.5mm*0.19mm)	N/A	Coil Antenna	st microelectronics	N/A

ANT7:

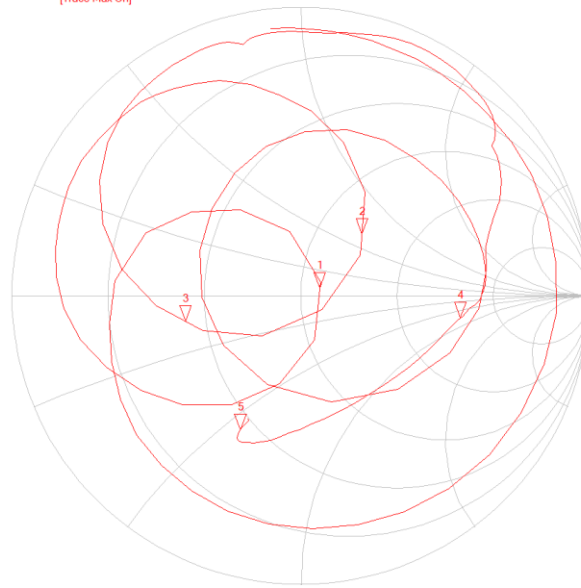
Band	Combo ant	
	Effi.(dBi)	peak gain(dBi)
2.4G	-7.4	-1.4
5G (5.15-5.25GHZ)	-5.6	1.49
5G (5.25-5.35GHZ)	-5.2	1.01
5G (5.47-5.725GHZ)	-5.2	1.06
5G (5.725-5.85GHZ)	-5.1	1.27

S11:



Memory Smith 1.000U/ 1.00U

[Trace Max On]



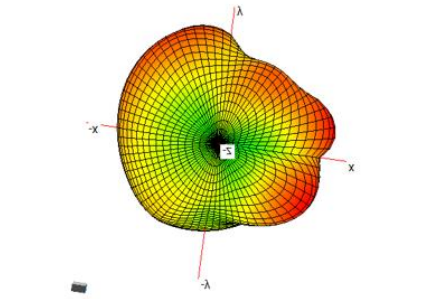
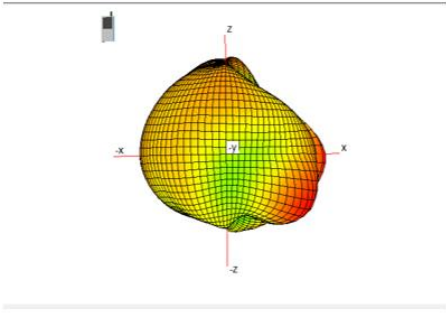
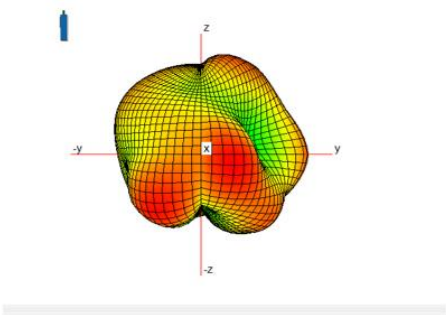
1:	1.575 GHz z	56.91 Ω
	312.88 pF	3.10 Ω
> 2:	2.400 GHz z	68.16 Ω
	2.13 nH	32.08 Ω
3:	2.500 GHz z	21.21 Ω
	14.28 pF	-4.46 Ω
4:	5.150 GHz z	167.05 Ω
	835.20 fF	-37.00 Ω
5:	5.650 GHz z	22.12 Ω
	983.46 fF	-27.66 Ω



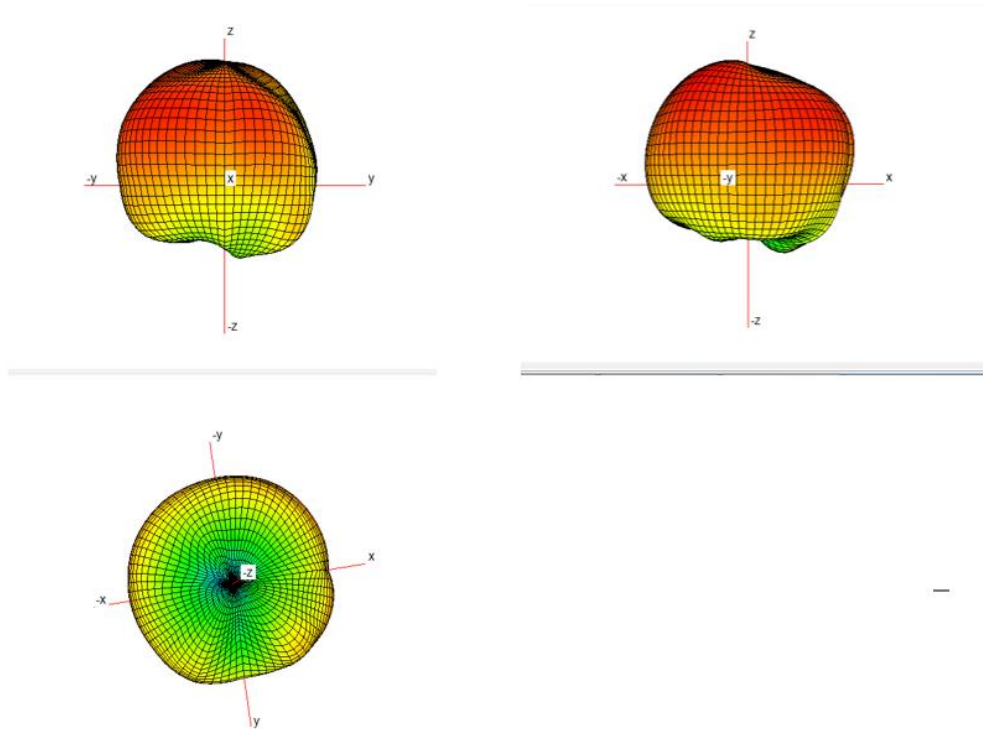
>Ch1: Start 600.000 MHz

Stop 6.00000 GHz

2450:



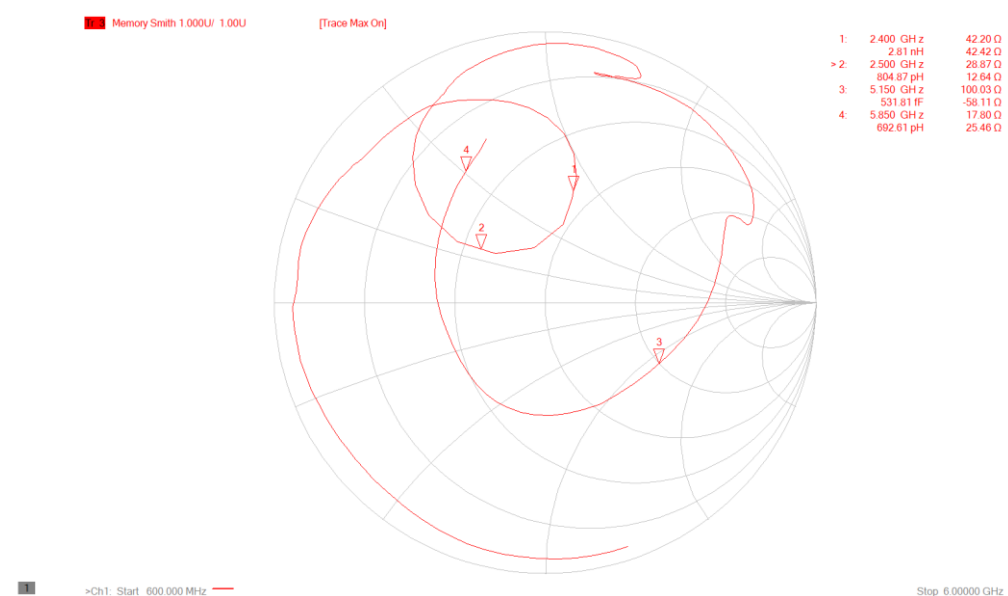
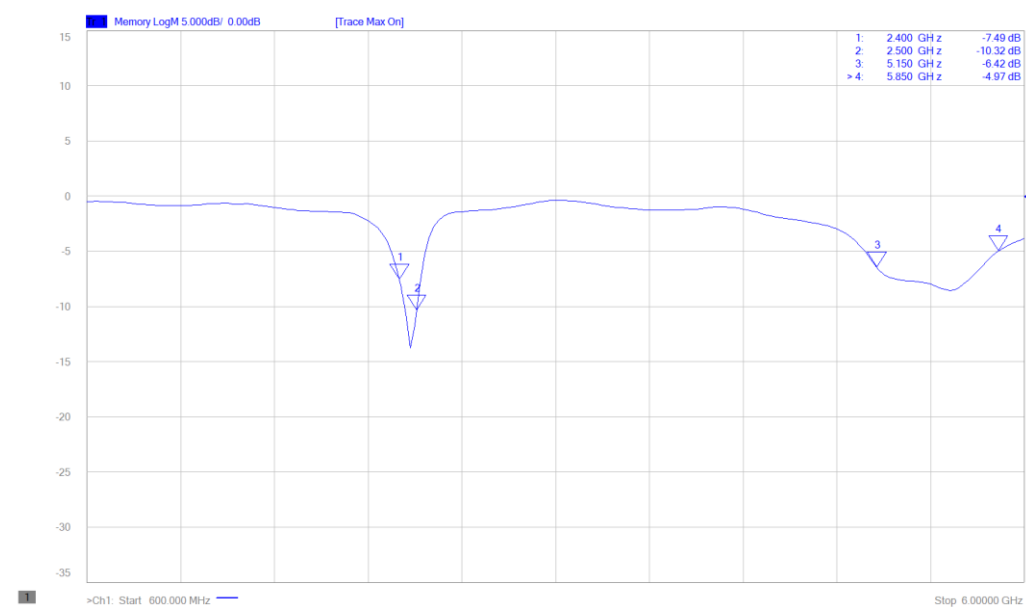
5300:



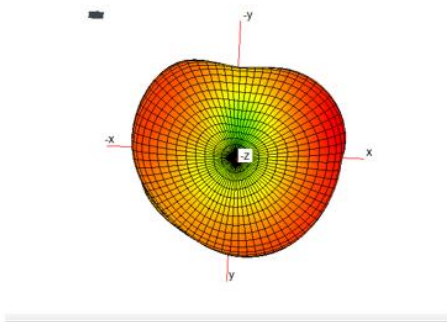
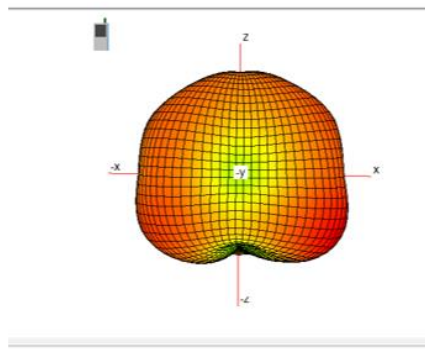
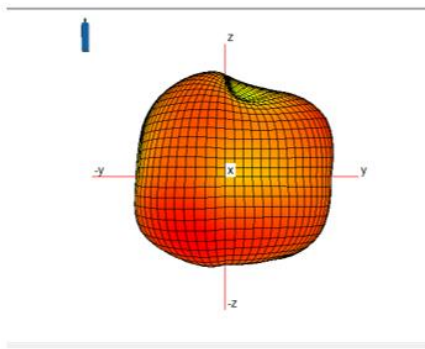
ANT8:

Band	Combo ant	
	Effi.(dBi)	peak gain(dBi)
2.4G	-8.1	-3.6
5G (5.15-5.25GHZ)	-8.6	-2.83
5G (5.25-5.35GHZ)	-8.2	-2.45
5G (5.47-5.725GHZ)	-7.2	-1.47
5G (5.725-5.85GHZ)	-8.5	-2.19

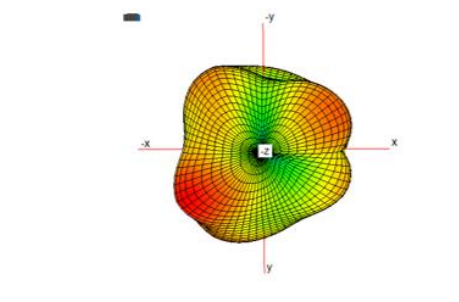
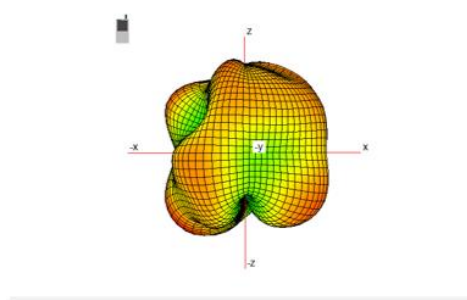
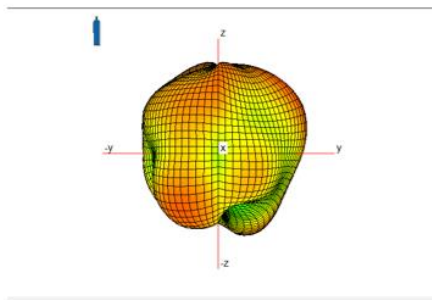
S11



2450:



5300:



Main Test Instruments:

Name	Manufacturer	Model name	Serial Number	Cal., Date	Exp., Date
2G/3G/4G Vector Network Analyzer	KEYSIGHT	E5071C	My46733920	2021/12/20	2022/12/30
OTA TEST SYSTEM	GENERAL TEST	RayZone 2800	CT10120480B5054	2022/01/14	2023/01/15